

Application Serial No. 10/069,949
Reply to Office Action of June 8, 2005

PATENT
Docket: CU-3383

Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

1-13. (cancelled)

14. (previously presented) A method for filling a filling material comprising the steps of:

providing a synthetic resin having a viscosity which is lowered under the action of vibrations, and

injecting said synthetic resin into a cavity of a tooth while subjecting the synthetic resin to the action of sound.

15. (previously presented) The method as defined in Claim 14, wherein the synthetic resin is injected into the cavity using a nozzle, and the nozzle is subjected to the action of sound.

16. (previously presented) The method as defined in Claim 14, wherein the synthetic resin is subjected to ultrasound.

17. (previously presented) Hand-held device for filling a cavity of a tooth, the device comprising:

a supply container;

a synthetic resin filling compound contained in said supply container and having a viscosity which is lowered under the action of vibrations;

means for conveying the filling compound from said supply container to a nozzle, from which the filling compound is injected into said cavity;

a handle portion; and

a sound generator connected to the nozzle;

wherein the sound generator sets the nozzle into oscillation while the filling compound is conveyed from the supply container to the nozzle, and the oscillation of the nozzle is transmitted to the filling compound as the filling compound flows through the nozzle.

18. (cancelled)

19. (cancelled)

20. (currently amended) The hand-held device as defined in claim ~~[[19]]~~ 17, wherein the container is a cartridge which is provided with the nozzle.

Application Serial No. 10/069,949
Reply to Office Action of June 8, 2005

PATENT
Docket: CU-3383

21. (previously presented) The hand-held device as defined in Claim 17, wherein the hand-held device is configured in the way of a dentist's handpiece.
22. (cancelled)
23. (cancelled)
24. (new) The hand-held device as defined in Claim 17, wherein the nozzle is a short small tube.
25. (new) The hand-held device as defined in Claim 17, wherein the sound generator comprises a piezoelectric oscillator.
26. (new) The hand-held device as defined in Claim 17, wherein the sound generator comprises a magnetostrictive oscillator.
27. (new) The hand-held device as defined in Claim 17, wherein the sound generator comprises a pneumatically excited oscillator.
28. (new) The hand-held device as defined in Claim 17, wherein the hand-held device is configured in the way of a spray gun.
29. (new) The hand-held device as defined in Claim 17, wherein said actuating element comprises a lever or a push button.
30. (new) The hand-held device as defined in Claim 17, wherein said sound generator is an ultrasound generator.
31. (new) The hand-held device as defined in Claim 20, wherein the sound generator is connected to the cartridge.